

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listing of claims in the application.

#### **Listing of Claims**

1. (Currently Amended) An IO-requesting method of issuing an IO request to a storage apparatus of a computer system by execution of a program in said computer system, wherein a program identifier set in advance in said program and a separate original request address issued by said program are applied to a first function as for inputting two input values that are used to generate one value used as a new address, which is different from said original request address, said new address having with said program identifier appended thereto, and said IO request is issued by using said new address.

2. (Currently Amended) A computer executing a first program issuing an IO request to a storage apparatus and a second program receiving collecting said IO request and transmitting said IO request as an IO command to said storage apparatus wherein:

a program identifier set in advance in said first program and an original request address of said IO request issued by said first program are applied to a first function for inputting which accepts the input of two values, that is, said program identifier and said original request address as two values, and to generate one value used as a new address, which is different from said original request address, said new address having with said program identifier appended

thereto, and said IO request is issued ~~by~~ using said new address;

said second program has a table associating at least one said program identifier, at least one ~~a~~ logical volume existing in said storage apparatus and at least one ~~a~~ network address with each other; and

if said IO request is an IO request issued to ~~a~~ one said logical volume existing in said storage apparatus ~~as a logical volume that is~~ prescribed to be a protected logical volume, a second function ~~for carrying out an operation to~~ which receives as an input value said new address as one value and generates, for generation of two output values as an in an operation inverse to that of said first function, ~~generates~~ said original request address and said program identifier, ~~that is, as~~ said two output values, ~~from said one input value, that is an address specified in said IO request as said new address,~~ said table is searched for ~~a~~ said at least one network address associated with said generated program identifier and ~~a~~ said at least one logical volume indicated by said generated original request address and a communication with said storage apparatus is carried out by using said at least one network address ~~network address~~ as an address of a transmission originator in order to issue an IO command to said original request address.

3.-6. (Canceled)